

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A ground terminal comprising:

~~a ground terminal body having a pick-up portion picked up by a mounter and having a first end edge portion formed with a semicircular notch; and~~

~~a connection portion formed in at least either one of a second end edge portion and first and second side edge portions of the ground terminal body with a generally rectangular shape, the ground terminal body having an axis, first and second end edges extending parallel with each other in a direction perpendicular to the axis, and a pick-up portion provided between the first and second end edges;~~

a generally semicircular notch formed in the first end edge of the ground terminal body, the notch having a center displaced from the first end edge toward the second end edge and forming a receiving portion between the first end edge and the pick-up portion of the ground terminal body, the receiving portion extending around the notch adapted to receive a mounting screw; and

a plurality of grooves formed in the second end edge of the ground terminal body at intervals along the second end edge and extending toward the notch, the grooves forming a plurality of connection portions at the second end edge of the ground terminal body, the connection portions being adapted to be superposed on respective connection portions of a printed board to establish electrical connection.

2. (Currently Amended) The ground terminal according to claim 1, wherein the first and second side edge portions of the ground terminal body extend in a direction away from the

second end edge portion beyond a center of a semicircle that defines a semicircular region of the semicircular notch formed in the ground terminal body as viewed in a longitudinal direction of the ground terminal body.

3. (Currently amended) The ground terminal according to claim 1, wherein ~~the second end edge portion of the ground terminal body is formed with a~~ the plurality of connection portions ~~so as to be~~ are spaced apart from one another in a width direction of the ground terminal body.

4. (Currently amended) The ground terminal according to claim 1, wherein a plurality of connection portions are formed ~~in at least one of the first and second side~~ in at least a first side edge ~~portions~~ portion of the ground terminal body so as to be spaced from one another in a longitudinal direction of the ground terminal body.

5. (Currently amended) The ground terminal according to claim 1, wherein ~~one or more~~ the connection portions are also formed ~~in each of the second end edge portion and the~~ at a first ~~and second side edge~~ portions portion of the ground terminal body.

6. (Original) The ground terminal according to claim 3, wherein the first and second end edge portions of the ground terminal body extend in a direction perpendicular to a longitudinal axis of the ground terminal body.

7. (Original) The ground terminal according to claim 3, wherein at least one of the first and second end edge portions obliquely extends with respect to a longitudinal axis of the ground terminal body.

8. (Cancelled)

9. (Currently amended) The ground terminal according to claim 1, wherein a distal end portion of the connection ~~portion~~ portions is formed into a triangular shape which is convex upward.

10. (Currently amended) A printed board having first and second side edge portions respectively fitted into guide grooves formed in inner side faces of first and second guide rails and adapted to be transported along the first and second guide rails and positioned at a predetermined part mounting position, comprising:

a connection portion formed on a side of the printed board remote from the first side edge portion with respect to a mounting hole that is formed at the first side edge portion on a side close to the first guide rail and that has a function of a positioning hole; and

a ground terminal ~~having mounted in the printed board, the ground terminal comprising a ground terminal body having a pick-up portion picked up by a mounter and a first edge portion thereof extending along the first side edge portion of the printed board and formed with a semicircular notch, and a connection portion formed in at least either of a second end edge portion and first and second side edge portions of the ground terminal body,~~

~~wherein the first and second side edge portions of the ground terminal body extend toward a side remote from the second end edge portion beyond a center of a semicircle that~~

~~defines a semicircular region of the semicircular notch formed in the ground terminal body in a longitudinal direction of the ground terminal body,~~

~~the semicircular notch of the ground terminal body is aligned with the mounting hole of the printed board,~~

~~the ground terminal body has that end face on a side close to the first end edge portion which defines a gap between itself and the inner side face of the first guide rail~~ a ground terminal body with a generally rectangular shape, the ground terminal body having an axis, first and second end edges extending parallel with each other in a direction perpendicular to the axis, and a pick-up portion provided between the first and second end edges;

a generally semicircular notch formed in the first end edge of the ground terminal body, the notch having a center displaced from the first end edge toward the second end edge and forming a receiving portion between the first end edge and the pick-up portion of the ground terminal body, the receiving portion extending around the notch and adapted to receive a mounting screw; and

a plurality of grooves formed in the second end edge of the ground terminal body at intervals along the second end edge and extending toward the notch, the grooves forming a plurality of connection portions at the second end edge of the ground terminal body, the connection portions being adapted to be superposed on respective connection portions of a printed board to establish electrical connection, and

the connection portion of the ground terminal is connected to the connection portion of the printed board.

11. (Currently amended) A method for mounting a ground terminal to a printed board, comprising the steps of:

(a) preparing a ground terminal comprising a ground terminal body ~~having a pick-up portion picked up by a mounter and a first end edge portion formed with a semicircular notch, and a connection portion formed in at least either of a second end edge portion and first and second side edge portions~~ having an axis, first and second end edges extending parallel with each other in a direction perpendicular to the axis, and a pick-up portion provided between the first and second end edges;

a generally semicircular notch formed in the first end edge of the ground terminal body, the notch having a center displaced from the first end edge toward the second end edge and forming a receiving portion between the first end edge and the pick-up portion of the ground terminal body, the receiving portion extending around the notch and adapted to receive a mounting screw; and

a plurality of grooves formed in the second end edge of the ground terminal body at intervals along the second end edge and extending toward the notch, the grooves forming a plurality of connection portions at the second end edge of the ground terminal body;

(b) preparing a printed board having a first side edge portion formed with a mounting hole having a function of a positioning hole and a connection portion formed on a side remote from the first side edge portion of the printed board with respect to the mounting hole;

(c) transporting the printed board along a first and second guide rails with the first side edge portion and a second side edge portion of the printed board respectively engaged with

the first and second guide rails and positioning the printed board at a predetermined part mounting position;

(d) moving the ground terminal picked up by ~~the~~a mounter in a direction close to the mounting hole of the printed board with the semicircular notch directed to the first guide rail, and placing the ground terminal on the printed board, with the semicircular notch of the ground terminal aligned with a corresponding semicircular region of the mounting hole of the printed board; and

(e) connecting the connection portion of the ground terminal to the connection portion of the printed board.

12. (Currently amended) The mounting method according to claim 11, further comprising a step of:

(f) fixing the ground terminal and the printed board using a screw that is inserted through the semicircular notch of the ground terminal and the mounting hole of the printed board and that is threadedly engaged with a tapped hole of a chassis.